

Docket No.: K-090C

PATENT

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re Application of

Young-Joon SONG

Serial No.: 09/525,446

Filed: March 14, 2000

For: PILOT SIGNALS FOR SYNCHRONIZATION AND/OR CHANNEL
ESTIMATION



Group Art Unit: 2749

TRANSMITTAL OF CERTIFIED PRIORITY DOCUMENTS

Assistant Commissioner of Patents
Washington, D. C. 20231

Sir:

At the time the above application was filed, priority was claimed based on the following applications:

Korean Patent Application Nos. 99/8630 filed March 15, 1999; 99/12856 and 99/12857
filed April 12, 1999; 99/15722 filed April 30, 1999; 99/19505 and 99/19506 filed
May 28, 1999; 99/19610 filed May 29, 1999; 99/23140 and 99/23141 filed
June 19, 1999; 99/23568 filed June 22, 1999; 99/23937 filed June 24, 1999; 99/26689 filed
July 2, 1999 and 99/34212 filed August 18, 1999.

A copy of each priority application listed above was filed in Application Serial No. 09/373,703. A copy of Korean Application No. 99/34212 will be filed in Application Serial No. 09/525,447 at a later date.

Respectfully submitted,
FLESHNER & KIM, LLP

Daniel Y.J. Kim
Registration No. 36,186

P. O. Box 221200
Chantilly, Virginia 20153-1200
703 502-9440

Date: July 17, 2000

DVK/kam

PATENT

3

A circular black ink stamp from the Office of Intellectual Property (OIPE). The text "OIPE" is at the top, "JUL 17 2000" is in the center, and "PATENT & TRADEMARK OFFICE" is at the bottom.

1
 2
 3
 4
 5
 6
 7
 8
 9
 10
 11
 12
 13
 14
 15
 16
 17
 18
 19
 20
 21
 22
 23
 24
 25
 26
 27
 28
 29
 30
 31
 32
 33
 34
 35
 36
 37
 38
 39
 40
 41
 42
 43
 44
 45
 46
 47
 48
 49
 50
 51
 52
 53
 54
 55
 56
 57
 58
 59
 60
 61
 62
 63
 64
 65
 66
 67
 68
 69
 70
 71
 72
 73
 74
 75
 76
 77
 78
 79
 80
 81
 82
 83
 84
 85
 86
 87
 88
 89
 90
 91
 92
 93
 94
 95
 96
 97
 98
 99
 100
 101
 102
 103
 104
 105
 106
 107
 108
 109
 110
 111
 112
 113
 114
 115
 116
 117
 118
 119
 120
 121
 122
 123
 124
 125
 126
 127
 128
 129
 130
 131
 132
 133
 134
 135
 136
 137
 138
 139
 140
 141
 142
 143
 144
 145
 146
 147
 148
 149
 150
 151
 152
 153
 154
 155
 156
 157
 158
 159
 160
 161
 162
 163
 164
 165
 166
 167
 168
 169
 170
 171
 172
 173
 174
 175
 176
 177
 178
 179
 180
 181
 182
 183
 184
 185
 186
 187
 188
 189
 190
 191
 192
 193
 194
 195
 196
 197
 198
 199
 200
 201
 202
 203
 204
 205
 206
 207
 208
 209
 210
 211
 212
 213
 214
 215
 216
 217
 218
 219
 220
 221
 222
 223
 224
 225
 226
 227
 228
 229
 230
 231
 232
 233
 234
 235
 236
 237
 238
 239
 240
 241
 242
 243
 244
 245
 246
 247
 248
 249
 250
 251
 252
 253
 254
 255
 256
 257
 258
 259
 260
 261
 262
 263
 264
 265
 266
 267
 268
 269
 270
 271
 272
 273
 274
 275
 276
 277
 278
 279
 280
 281
 282
 283
 284
 285
 286
 287
 288
 289
 290
 291
 292
 293
 294
 295
 296
 297
 298
 299
 300
 301
 302
 303
 304
 305
 306
 307
 308
 309
 310
 311
 312
 313
 314
 315
 316
 317
 318
 319
 320
 321
 322
 323
 324
 325
 326
 327
 328
 329
 330
 331
 332
 333
 334
 335
 336
 337
 338
 339
 340
 341
 342
 343
 344
 345
 346
 347
 348
 349
 350
 351
 352
 353
 354
 355
 356
 357
 358
 359
 360
 361
 362
 363
 364
 365
 366
 367
 368
 369
 370
 371
 372
 373
 374
 375
 376
 377
 378
 379
 380
 381
 382
 383
 384
 385
 386
 387
 388
 389
 390
 391
 392
 393
 394
 395
 396
 397
 398
 399
 400
 401
 402
 403
 404
 405
 406
 407
 408
 409
 410
 411
 412
 413
 414
 415
 416
 417
 418
 419
 420
 421
 422
 423
 424
 425
 426
 427
 428
 429
 430
 431
 432
 433
 434
 435
 436
 437
 438
 439
 440
 441
 442
 443
 444
 445
 446
 447
 448
 449
 450
 451
 452
 453
 454
 455
 456
 457
 458
 459
 460
 461
 462
 463
 464
 465
 466
 467
 468
 469
 470
 471
 472
 473
 474
 475
 476
 477
 478
 479
 480
 481
 482
 483
 484
 485
 486
 487
 488
 489
 490
 491
 492
 493
 494
 495
 496
 497
 498
 499
 500
 501
 502
 503
 504
 505
 506
 507
 508
 509
 510
 511
 512
 513
 514
 515
 516
 517
 518
 519
 520
 521
 522
 523
 524
 525

Group Art Unit: 2749

•

:

FILING DATE GRANTED

A check in the amount of \$820.00 for 3 and 4 indicated above (Check #9004) is enclosed.

Serial No.: 09/525,446

Attorney Docket No.: K-090C

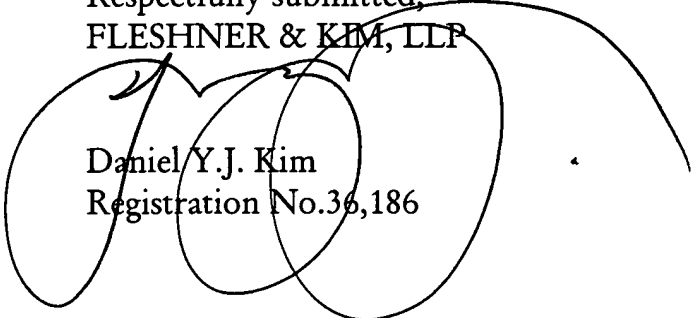
A check in the amount of \$40.00 (Check #9005), representing the recordation fee for the Assignment is enclosed.

It is requested that an Official Filing Receipt showing the data contained herewith now be issued.

Please charge any shortage in fees due in connection with the filing of this paper, including extension of time fees, to Deposit Account 16-0607 and please credit any excess fees to such deposit account.

Respectfully submitted,
FLESHNER & KIM, LLP

Daniel Y.J. Kim
Registration No. 36,186

A large, stylized handwritten signature in black ink, consisting of several overlapping loops, is written over the typed name and registration number.

P.O. Box 221200
Chantilly, VA 20153-1200
(703) 502-9440
Date: July 17, 2000
DYK/kam

FORMALITIES LETTER



OC00000005122906

UNITED STATES DEPARTMENT OF COMMERCE
Patent and Trademark OfficeAddress: COMMISSIONER OF PATENT AND TRADEMARKS
Washington, D.C. 20231

APPLICATION NUMBER	FILING/RECEIPT DATE	FIRST NAMED APPLICANT	ATTORNEY DOCKET NUMBER
09/525,446	03/14/2000	Young-Joon Song	K-090C

Daniel Y J Kim
Fleshner & Kim LLP
P O Box 221200
Chantilly, VA 20153-1200



Date Mailed: 05/17/2000

NOTICE TO FILE MISSING PARTS OF NONPROVISIONAL APPLICATION

FILED UNDER 37 CFR 1.53(b)

Filing Date Granted

An application number and filing date have been accorded to this application. The item(s) indicated below, however, are missing. Applicant is given TWO MONTHS from the date of this Notice within which to file all required items and pay any fees required below to avoid abandonment. Extensions of time may be obtained by filing a petition accompanied by the extension fee under the provisions of 37 CFR 1.136(a).

- The statutory basic filing fee is missing.
Applicant must submit \$ 690 to complete the basic filing fee and/or file a small entity statement claiming such status (37 CFR 1.27).
- The oath or declaration is missing.
A properly signed oath or declaration in compliance with 37 CFR 1.63, identifying the application by the above Application Number and Filing Date, is required.
- To avoid abandonment, a late filing fee or oath or declaration surcharge as set forth in 37 CFR 1.16(e) of \$130 for a non-small entity, must be submitted with the missing items identified in this letter.
- **The balance due by applicant is \$ 820.**

*A copy of this notice **MUST** be returned with the reply.*

Customer Service Center

Initial Patent Examination Division (703) 308-1202

PART 2 - COPY TO BE RETURNED WITH RESPONSE

07/18/2000 BHABTEM 00000075 09525446

01 FC:101
02 FC:105690.00 OP
130.00 OP



Bib Data Sheet


UNITED STATES DEPARTMENT OF COMMERCE
Patent and Trademark Office

 Address: COMMISSIONER OF PATENTS AND TRADEMARKS
 Washington, D.C. 20231

SERIAL NUMBER 09/525,446	FILING DATE 03/14/2000 RULE -	CLASS 370	GROUP ART UNIT 2749	ATTORNEY DOCKET NO. K-090C
------------------------------------	---	---------------------	-------------------------------	--------------------------------------

APPLICANTS
 Young-Joon Song, Kyongki-Do, KOREA, REPUBLIC OF;

**** CONTINUING DATA *******
 THIS APPLICATION IS A CIP OF 09/373,703 08/13/1999
 WHICH IS A CIP OF 09/376,373 08/18/1999
 WHICH IS A CIP OF 09/525,444 03/14/2000
 WHICH IS A CIP OF 09/525,448 03/14/2000
 WHICH IS A CIP OF 09/525,447 03/14/2000
 WHICH CLAIMS BENEFIT OF 60/136,763 05/28/1999

**** FOREIGN APPLICATIONS *******
 REPUBLIC OF KOREA 8630/1999 03/15/1999
 REPUBLIC OF KOREA 12857/1999 04/12/1999
 REPUBLIC OF KOREA 12856/1999 04/12/1999
 REPUBLIC OF KOREA 15722/1999 04/30/1999
 REPUBLIC OF KOREA 19506/1999 05/28/1999
 REPUBLIC OF KOREA 19505/1999 05/28/1999
 REPUBLIC OF KOREA 19610/1999 05/29/1999
 REPUBLIC OF KOREA 23141/1999 06/19/1999
 REPUBLIC OF KOREA 23140/1999 06/19/1999
 REPUBLIC OF KOREA 23568/1999 06/22/1999
 REPUBLIC OF KOREA 23937/1999 06/24/1999
 REPUBLIC OF KOREA 26689/1999 07/02/1999
 REPUBLIC OF KOREA 99/8630 03/15/1999
 REPUBLIC OF KOREA 99/12856 04/12/1999
 REPUBLIC OF KOREA 99/12857 04/12/1999
 REPUBLIC OF KOREA 99/15722 04/30/1999
 REPUBLIC OF KOREA 99/19505 05/28/1999
 REPUBLIC OF KOREA 99/19506 05/28/1999
 REPUBLIC OF KOREA 99/19610 05/29/1999
 REPUBLIC OF KOREA 99/23140 06/19/1999
 REPUBLIC OF KOREA 26689/1999 07/02/1999

IF REQUIRED, FOREIGN FILING LICENSE GRANTED
**** 05/17/2000**

Foreign Priority claimed <input type="checkbox"/> yes <input type="checkbox"/> no 35 USC 119 (a-d) conditions met <input type="checkbox"/> yes <input type="checkbox"/> no <input type="checkbox"/> Met after Allowance Verified and Acknowledged Examiner's Signature _____ Initials _____	STATE OR COUNTRY KOREA, REPUBLIC OF	SHEETS DRAWING 52	TOTAL CLAIMS 6	INDEPENDENT CLAIMS 3
--	---	-----------------------------	--------------------------	--------------------------------

ADDRESS

~~Daniel Y J Kim~~
~~Fleshner & Kim LLP~~
~~P O Box 221200~~
~~Chantilly, VA 20153-1200~~

34610

TITLE

Pilot signals for synchronization and/or channel estimation

**FILING FEE
RECEIVED**
820

FEES: Authority has been given in Paper
No. _____ to charge/credit DEPOSIT ACCOUNT
No. _____ for following:

☐ All Fees☐ 1.16 Fees (Filing)☐ 1.17 Fees (Processing Ext. of
time)☐ 1.18 Fees (Issue)☐ Other _____☐ Credit